

For example, the mobile hub may be configured to provide the identity or address of the different mobile hub to the mobile terminal such that the mobile terminal may thereafter establish communications with the different mobile hub as shown in FIGS. 9 and 10. Thus, the apparatus embodied by the mobile hub of this example embodiment may include means, such as the processor, the communications interface or the like, for causing information regarding the different mobile hub to be provided to the mobile terminal.

**[0064]** As shown in FIGS. 9 and 10, the mobile terminal 20 may thereafter communicate with the different mobile hub, such as Mobile Hub 2, in regards to the request for cloud services. As described above, Mobile Hub 2 may create an application agent, for example, App Agent 2, which may, in turn, issue a request to the cloud service provider 22 for the requested cloud services. After having processed the request, the cloud service provider may provide a response to Mobile Hub 2 which may, in turn, provide a corresponding response regarding the request for cloud services to the mobile terminal in the same or a similar manner to that described above in conjunction with the operations of Mobile Hub 1. However, by migrating the support of the cloud services request issued by the mobile terminal from one mobile hub to another mobile hub as the mobile terminal moves relative to the access network 24, the mobile cloud computing system of example embodiments of the present invention may continue to provide cloud services to the mobile terminal even as the mobile terminal moves.

**[0065]** From the perspective of a mobile terminal 20, FIG. 12 illustrates the operations performed by an apparatus 40 embodied by the mobile terminal in accordance with example embodiments of the present invention. As shown in block 80 of FIG. 12, the apparatus embodied by the mobile terminal, such as the processor 42 or the like, may be configured to execute an application. As noted above, the mobile terminal may execute a wide variety of applications that may, in turn, desire to utilize cloud computing resources. Thus, the apparatus embodied by the mobile terminal may include means, such as the processor or the like, for executing an application. Based upon the execution of the application, the apparatus embodied by the mobile terminal, such as the processor, the communications interface 46 or the like, may be configured to cause a request for cloud services to be issued to a mobile hub 26 that is associated with a communications network, for example, with a radio access network 24. See, for example, block 82 of FIG. 12 as well as the foregoing discussion regarding the request for cloud service issued by the application executed by the mobile terminal in conjunction with the receipt of the request by the mobile hub. The apparatus embodied by the mobile terminal of example embodiment therefore may include means, such as a processor, the communications interface or the like, for causing a request for cloud services to be issued to a mobile hub.

**[0066]** As shown in block 86 of FIG. 12, the apparatus 40 embodied by the mobile terminal 20 of this example embodiment, such as the processor 42, the communications interface 46 or the like, may also be configured to receive the response to the request from the cloud service provider 22 via the mobile hub 26. In this regard, the response may be an indication as to whether the cloud service provider will provide the requested cloud service or declines to provide the requested cloud service or may be the result of having performed the requested cloud service itself, such as by providing data that is retrieved or generated as a result of processing activity

offloaded by the mobile terminal. Regardless of the type of request, the apparatus embodied by the mobile terminal of this example embodiment may include means, such as the processor, the communications interface or the like, for receiving the response to the request from the cloud service provider via the mobile hub.

**[0067]** The apparatus 40 embodied by the mobile terminal 20, such as the processor 42 or the like, may thereafter continue the execution of the application based at least in part upon the response to the request. In this regard, in an instance in which response substantively responds to the request, such as by providing data or other results of some processing activity, the application may continue to be executed while taking into account the data provided by the cloud service provider 22. Alternatively, in an instance in which the cloud service provider does not substantively respond to the request, but indicates that the cloud service provider may subsequently service the request for cloud service, the execution the application may continue by requesting the cloud service be performed and then awaiting the result from the cloud service provider of the performance of the requested cloud service. Still further, in an instance in which the response indicates the cloud service provider is unable to provide the requested cloud service, the mobile terminal they continue with the execution the application by issuing a request for cloud services to another cloud service provider or by performing the functionality that the mobile terminal otherwise look to off load to the cloud service itself. Thus, the apparatus embodied by the mobile terminal may include means, such as the processor or the like, for continuing the execution of the application based at least in part upon the response to the request.

**[0068]** As indicated above in conjunction with the discussion of the mobile hub 26, the mobile terminal 20 may occasionally be temporarily disconnected or otherwise temporarily out of communication with the access network 24, and, in turn, with the mobile hub and the remainder of the mobile cloud computing system. Indeed, block 84 of FIG. 12 indicates that the apparatus 40 embodied by the mobile terminal, such as the processor 42, the communications interface 46 or like, may temporarily fail to be in communication with the mobile hub. In this instance, the mobile hub may store the response from the cloud service provider 22 that would otherwise have been provided to the mobile terminal and may cause the response to be provided to the mobile terminal once the mobile terminal has again established communication with the access network and, in turn, with the mobile hub.

**[0069]** As described above in conjunction with FIG. 11, the method, apparatus computer program product of an example embodiment continues to support a mobile terminal's utilization of cloud services even as the mobile terminal 20 moves with respect to the access network 24 via which the mobile terminal access the cloud service providers 22. In this regard, the apparatus 40 embodied by the mobile terminal, such as the processor 42, the communications interface 46 or the like, may be configured to cause context information including, for example, location information to be provided to the mobile hub 26. See block 90 of FIG. 13. In some instances, such as in an instance in which a mobile terminal has moved relative to the access network so as to be closer to or otherwise more effectively serviced by a different mobile hub than the mobile hub with which the mobile terminal is in communication, the apparatus embodied by the mobile terminal, such as the processor, the communications interface or the like, may be